

What's New for Oracle Analytics Server

Here's an overview of new features and enhancements added recently to improve your Oracle Analytics Server experience.

What's New in Oracle Analytics Server 2022 (6.4)

Data Connectivity, Modeling, and Preparation

Feature	Description
Analyze the performance of visualization components	Use built-in Performance Tools to analyze statistics such as query time, server time, and streaming time for visualization components in workbooks. See Developer Reference.
Auto-join option in datasets with multiple tables	Use the Auto Join Tables option to turn off or on automatic join creation in datasets. By default, joins are created automatically when you drag and drop tables onto the Join Diagram. In some cases it's useful to turn auto joins off and build joins manually. See Disable Auto Joins in Datasets.
Connect to Microsoft Azure Synapse	Visualize data from Microsoft Azure Synapse data sources. See Supported Data Sources.
Connect to Oracle Transactional Business Intelligence and Oracle Business Intelligence Enterprise Edition sources for datasets with multiple tables.	Use the Oracle Applications connection to add tables from Oracle Transactional Business Intelligence and remote Oracle Analytics Server and Oracle Business Intelligence Enterprise Edition subject areas and reports to datasets containing multiple tables. See Create a Dataset from an Oracle Application's Subject Area and Create a Dataset from an Oracle Application's Analysis.
Customize auto-refresh in visualizations	Set the frequency at which the data automatically refreshes in visualizations on a canvas. See Visualize Canvas Layout and Properties.
Custom knowledge	Extend the system knowledge in Oracle Analytics by adding your own enterprise-specific reference data. This increases Oracle Analytics's ability to automatically discover and classify semantic types of interest and to offer more relevant enrichment recommendations. See Add Custom Knowledge for Data Enrichment.

Feature	Description
Data quality insights	Explore your data, and use a visual overview of your content to assess and improve data quality. See Explore Your Data Using Quality Insights .
Datasets with multiple tables	Perform self-service data modeling with datasets by adding multiple tables to a dataset from one or more relational data source connections. See Data Sources Available for Use in Datasets Containing Multiple Tables and Create a Dataset from a Connection .
Frequent Item Set function supports association rules	Create more powerful Frequent Item Set analyses using enhanced algorithms. See Database Analytics Functions .
Hierarchy navigation for Essbase and EPM data sources	Navigate Essbase or Enterprise Performance Management (EPM) hierarchies when connecting to subject areas or datasets. You can drill up and down the hierarchy tree in pivot and table visualizations. You can't use hierarchies in filters but you can use a hierarchy level in a filter. See Sort and Select Data in Visualization Canvases .
Local subject areas in datasets with multiple tables	Add local subject area data sources to datasets that contain multiple tables. See Create a Dataset from a Local Subject Area .
Projects renamed to workbooks	In the Oracle Analytics user interface and user assistance, "projects" have been renamed to "workbooks." Use workbooks to organize your visualizations just as you've done for projects. See Begin to Build a Workbook and Create Visualizations .
Reload datasets on a schedule	Schedule data reloads for any dataset with one or more tables set to automatically cache data. View information about the dataset reloads, such as history and schedule details. See Schedule a Dataset Reload and View a Dataset Reload Schedule's Details .
Support for Analytic Views	Model and visualize data from Oracle Database Analytic Views. Leverage the advanced aggregation capabilities and high performance for voluminous data in the Oracle Database. See Build a Data Model from Analytics Views in Oracle Autonomous Data Warehouse (setup) , Connect to Analytic Views (visualize) .

Exploring, Dashboarding, and Storytelling

Feature	Description
Annotations on canvases	In Visualize, you can add notes to canvases and tie notes to specific data points. See Add Notes to a Visualization .
Auto Insights	Oracle Analytics analyzes datasets when you create them and suggests which visualizations will give you the best insights. See Let Oracle Analytics Suggest the Best Visualizations for a Dataset Using Auto Insights .
Automatic refresh of list filters	When a list filter with a large number of values is displayed, the list is refreshed when the user pages and when all possible values in the current page are selected. See Apply List Filters .
Average aggregation in Waterfall visualizations	When you add a Detail to a Waterfall visualization, the weighted average is calculated and displayed in the Bridge report.

Feature	Description
Change Settings for Multiple Columns	Save time when changing settings for multiple columns. Multi-select columns in the Metadata view to change the Data Type, the Treat As setting, the aggregation type, and the hide setting for more than one column at once. See Configure Columns Properties in a Dataset .
Conditional formatting	Use conditional formatting to highlight important data events in your visualizations so that you can take action. See Apply Conditional Formatting to a Visualization .
Consumer Mode Navigation: Bottom Tabs	Authors have a new Bottom Tabs presentation style for curating the consumer navigation experience. Authors can select this style from the Presentation property panel. See Capture Insights .
Control interactivity for consumers	When defining a consumer experience in Narrate, you as the author can use the context menu to turn on and off the user interactivity options for the consumer. See Create a Story .
Enhanced map visualizations with Mapbox libraries	Access smooth and powerful interactions with map visualizations through client-side libraries from Mapbox GL and WebGL.
Export individual visualizations	Export from an individual visualization in a workbook. Specifically, this allows data export from a visualization embedded in another application or web page. See Export a Visualization or Story .
Expression filters for entities in datasets with multiple tables	Use expression filters in datasets that contain multiple tables. See Apply a Filter to a Dataset Table .
Graph analytics	Enhance your visualizations of network graphs using powerful property graph analytics. For example, you can compute the shortest path between two vertices or identify connected vertices in the graph. See Add Graph Analytics to a Data Flow .
Improved home page search	Enter advanced search commands in the search bar to tailor your search results for exact matches, multi-term matches, and field-level matches. See Advanced Search Commands for Finding Content .
Improved sort options	Use the Sort dialog to configure sorts and clearly see the sort order and any sort conflicts. See Sort and Select Data in Visualization Canvases .
Inner radius of a donut chart	In a donut chart, control the radius of the donut hole. See Pie and Treemap Graphs .
Map layers in non-joined datasets	Create map layers in a visualization where the data between the layers isn't joined. See Apply Multiple Data Layers on a Single Map Visualization .
My Calculations Properties	Custom calculations in workbooks show similar properties to other measures.
Null values in list filters	Indicate in a list filter whether to include null values in the results. See Apply List Filters .
On-canvas date filters	Use the on-canvas date selector and the relative time filter for date filters. See Create On-Canvas Filters and Apply Different Filter Types .

Feature	Description
On-canvas filter types	Use various on-canvas filter types such as Top Bottom N and Relative Time. See Create On-Canvas Filters and Apply Different Filter Types .
On-canvas measure filters	Use the on-canvas measure selector and the top and bottom time filter for measures. See Create On-Canvas Filters and Apply Different Filter Types .
Pixel-perfect reports support datasets with multiple tables	Report authors can use datasets with multiple tables to create pixel-perfect reports. See Use Self-Service Analytics .
Position tables and pivot tables	Format visualizations more easily with enhanced positioning of tables and pivot tables.
Print visualizations on canvases with enhanced options	Print visualizations on canvases with logical default print sizes based on the printing target and enhanced options for various sources. See Print a Visualization, Canvas, or Story .
Redwood Design	Oracle Analytics fully adopts the new Oracle Design Concepts code-named Redwood. Product look and feel, as well as default colors and fonts will follow the Redwood guidelines created over years of research with close attention to usability and accessibility.
Refresh profile results and recommendations	Refresh profile results and enrichment recommendations after you add or update custom knowledge. See Accept Enrichment Recommendations .
Select multiple visualizations on a canvas	Multi-select visualizations on a canvas to easily change shared properties for groups of content. See Work with Multiple Visualizations on a Canvas .
Sort data in visualizations by columns that aren't in the visualization	Sort data in a visualization by a column that's not included in the visualization. See Sort, Drill, Select Data, and Apply Statistics in Visualization Canvases .
Sort Null Values First	Specify whether to sort NULL values before other values (On) or after (Off). Select the value that matches your database. See Sort Null Values First .
Support for Back button in browsers	Press the Back button in the browser to navigate within the interface such as between editors and the Home page.
Time series forecasting	Perform time series analysis forecasting directly from data flows. See Add a Time Series Forecast to a Data Flow .
Tooltips on visualization titles	Enter your own tooltip text to display when you hover over a visualization title. See About Visualization Properties .

Augmented Analytics and Machine Learning

Feature	Description
Compute machine learning model lift and gain values	Evaluate prediction machine learning models more effectively using lift and gain statistics that you can visualize. See Evaluate Machine Learning Models Using Lift and Gain Charts .
Streamlined Advanced Analytics capabilities for some sources	For some datasets such as Oracle EPM and Essbase, we've streamlined the user-interface for advanced analytics so that you won't produce unexpected results.

Feature	Description
Support for Feature Extraction	Apply a registered Oracle machine learning Feature Extraction model's view to a data flow. See Apply a Predictive or Oracle Machine Learning Model to a Dataset .
XGBoost and Neural Network Algorithms for Machine Learning	Register and apply XGBoost and Neural Network algorithms with Machine Learning.

Performance, Compliance, and Administration

Feature	Description
Deliver pixel-perfect reports to Object Storage	Administrators can configure Object Storage as a delivery channel for Publisher. In your scheduled jobs and bursting queries, you can choose to deliver reports to the configured Object Storage. See Add an Object Storage and Define the Query for Delivery XML .
Protect pixel-perfect PDF report files with AES256 encryption	Protect PDF files of pixel-perfect reports with AES-256 encryption that is FIPS 140-2 compliant. See Encrypt PDF Documents .
Share feedback on Oracle Analytics	Provide feedback on Oracle Analytics. From the user-profile menu, select Leave a Review , and on the resulting page share feedback with Gartner Peer Insights.
System setting enhancements	<p>New system settings in the Console.</p> <ul style="list-style-type: none"> Repeat Rows on Excel Exports for Tables and Pivots - Specifies whether cells that span rows or columns are repeated when exporting tables and pivot tables to Microsoft Excel. <p>See Other Options.</p>
User and role management enhancements	There's a new option to download membership data for users, groups, and application roles to a comma-delimited (CSV) file. This data is useful for auditing purposes and to find out exactly who has what access. See View and Export Membership Data .

Deployment on Oracle Cloud

Feature	Description
Oracle Analytics Server 2022 available on Oracle Cloud Marketplace	<p>Use Oracle Cloud Marketplace to quickly deploy Oracle Analytics Server 2022 on Oracle Cloud Infrastructure.</p> <p>When you deploy Oracle Analytics Server on Oracle Cloud Infrastructure using Oracle Cloud Marketplace, Oracle Analytics Server provides the same functionality, scalability, security, and support as in on-premise. See Deploy Oracle Analytics Server on Oracle Cloud.</p>

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Oracle Analytics What's New for Oracle Analytics Server, 2022 (6.4)

F24234-04

Copyright © 2021, 2022, Oracle and/or its affiliates. All rights reserved.

This document describes new features and other notable changes for Oracle Analytics Server.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle, Java, and MySQL are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.